

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	1576	423/213.5;423/245.1.cds.	US-PGPUB; USPAT	ADJ	ON	2010/09/24 17:48
S1	8	("20030125202"   "20030177763"   "4294726"   "5130109"   "5490977"   "5597771"   "5898014"   "5989507").PN.	US-PGPUB; USPAT	ADJ	ON	2008/03/06 16:53
S3	3384	502/302;502/304;502/325;502/326;518/718.cds.	US-PGPUB; USPAT	ADJ	ON	2008/03/06 17:17
S5	698	(syngas OR synthesis gas) AND ((group NEAR5 VIII) OR (iron OR Fe) OR (Pt OR platinum)) AND ((carrier OR support) SAME (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr OR strontium OR barium OR Ba)) AND (oxide SAME (Scandium OR Sc OR Yttrium OR Y OR lanthan\$4)) AND (zirconia OR (zirconium SAME oxide))	US-PGPUB; USPAT	ADJ	ON	2008/03/06 17:19
S6	114	S5 and S3	US-PGPUB; USPAT	ADJ	ON	2008/03/06 17:19
S7	73	S6 and ((molar OR atomic) NEAR3 ratio)	US-PGPUB; USPAT	ADJ	ON	2008/03/06 17:28
S8	1	"5447705".pn.	US-PGPUB; USPAT	ADJ	ON	2008/03/10 08:22
S9	1175	(syngas OR synthesis gas OR (carbon monoxide SAME hydrogen SAME (hydrocarbon OR alkane OR alkene OR alcohol OR ester))) AND ((group NEAR5 VIII) OR (iron OR Fe) OR (Pt OR platinum)) AND ((carrier OR support) SAME (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr OR strontium OR barium OR Ba)) AND (oxide SAME (Scandium OR Sc OR Yttrium OR Y OR lanthan\$4)) AND (zirconia OR (zirconium SAME oxide))	US-PGPUB; USPAT	ADJ	ON	2008/03/10 08:52
S10	3384	502/302;502/304;502/325;502/326;518/718.cds.	US-PGPUB; USPAT	ADJ	ON	2008/03/10 08:52

S11	217	S9 and S10	US-PPGPUB; USPAT	ADJ	ON	2008/03/10 08:52
S12	94	S11 and (washcoat OR overcoat OR coal)	US-PPGPUB; USPAT	ADJ	ON	2008/03/10 08:52
S13	6	inagumo-atsuro.in.	US-PPGPUB; USPAT	ADJ	ON	2008/03/11 12:41
S14	916	(syngas OR synthesis gas OR ((oxidizing OR oxidation OR oxidize) WITH (carbon monoxide SAME hydrogen SAME (hydrocarbon OR alkane OR alkene OR alcohol OR ester)))) AND ((group NEAR5 VIII) OR (iron OR Fe) OR (Pt OR platinum)) AND ((carrier OR support) SAME (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr OR strontium OR barium OR Ba)) AND (oxide SAME (Scandium OR Sc OR Yttrium OR Y OR lanthan\$4 OR ceria OR Ce OR cerium)) AND (zirconia OR (zirconium SAME oxide))	US-PPGPUB; USPAT	ADJ	ON	2008/03/20 13:46
S15	443	(syngas OR synthesis gas OR ((oxidizing OR oxidation OR oxidize) WITH (carbon monoxide SAME hydrogen SAME (hydrocarbon OR alkane OR alkene OR alcohol OR ester)))) AND ((group NEAR5 VIII) OR (iron OR Fe) OR (Pt OR platinum)) AND ((carrier OR support) SAME (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr OR strontium OR barium OR Ba)) SAME ((oxide SAME (Scandium OR Sc OR Yttrium OR Y OR lanthan\$4 OR ceria OR Ce OR cerium)) AND (zirconia OR (zirconium SAME oxide)))	US-PPGPUB; USPAT	ADJ	ON	2008/03/20 13:49
S16	166	S15 AND "502".clas.	US-PPGPUB; USPAT	ADJ	ON	2008/03/20 13:50
S17	1	"6551959".pn.	US-PPGPUB; USPAT	ADJ	ON	2008/03/20 15:46
S18	296	(syngas OR synthesis gas OR ((oxidizing OR oxidation OR oxidize) WITH (carbon monoxide SAME hydrogen SAME (hydrocarbon OR alkane OR alkene OR alcohol OR ester)))) AND (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr OR strontium OR barium OR Ba)) SAME ((zirconia OR (zirconium WITH oxide) NEAR5 (ceria OR (cerium WITH oxide) ))	US-PPGPUB; USPAT	ADJ	ON	2008/03/21 12:18
S19	130	S18 AND "502".clas.	US-PPGPUB; USPAT	ADJ	ON	2008/03/21 12:19

S20	35	(syngas OR synthesis gas OR ((oxidizing OR oxidation OR oxidize) WITH (carbon monoxide SAME hydrogen SAME (hydrocarbon OR alkane OR alkene OR alcohol OR ester)))) AND (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr OR strontium OR barium OR Ba)) SAME (((zirconia OR (zirconium WITH oxide)) NEAR5 (ceria OR (cerium WITH oxide) ))	US-PPGPUB; USPAT	ADJ	ON	2008/03/21 12:20
S21	433	(syngas OR synthesis gas OR ((oxidizing OR oxidation OR oxidize) WITH (carbon monoxide SAME hydrogen SAME (hydrocarbon OR alkane OR alkene OR alcohol OR ester)))) AND ((magnesium oxide OR magnesia) AND (zirconia OR (zirconium WITH oxide)) NEAR5 (ceria OR (cerium WITH oxide)))	US-PPGPUB; USPAT	ADJ	ON	2008/03/21 12:41
S22	264	(syngas OR synthesis gas OR ((oxidizing OR oxidation OR oxidize) WITH (carbon monoxide SAME hydrogen SAME (hydrocarbon OR alkane OR alkene OR alcohol OR ester)))) AND ((magnesium oxide OR magnesia) SAME (zirconia OR (zirconium WITH oxide)) NEAR5 (ceria OR (cerium WITH oxide)))	US-PPGPUB; USPAT	ADJ	ON	2008/03/21 12:42
S23	1	"5908800".pn.	US-PPGPUB; USPAT	ADJ	ON	2008/03/21 12:45
S24	1580	((ceria OR (cerium WITH oxide) OR Ce) WITH (doping OR doped OR dopant)) AND (magnaia OR (magnesium WITH oxide) OR Mg) AND (zirconia OR (zirconium WITH oxide) Zr)	US-PPGPUB; USPAT	ADJ	ON	2008/04/01 15:52
S25	19	S24 and "S2"	US-PPGPUB; USPAT	ADJ	ON	2008/04/01 15:57
S26	11299	(syngas OR synthesis gas)	US-PPGPUB; USPAT	ADJ	ON	2008/04/01 15:57
S27	128	S24 and S26	US-PPGPUB; USPAT	ADJ	ON	2008/04/01 15:58
S28	1417	((ceria OR (cerium WITH oxide) OR Ce) WITH (doping OR doped OR dopant)) AND (magnaia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr)	US-PPGPUB; USPAT	ADJ	ON	2008/04/01 16:40
S29	123	S26 and S28	US-PPGPUB; USPAT	ADJ	ON	2008/04/01 16:40

S30	235	(syngas OR synthesis gas) AND ((group NEAR5 VIII) OR (iron OR Fe) OR (Pt OR platinum)) AND ((carrier OR support) SAME (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr OR strontium OR barium OR Ba)) AND (oxide SAME (Scandium OR Sc OR Yttrium OR Y OR lanthan\$4)) AND (zirconia OR (zirconium SAME oxide)).clm.	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:18
S31	205	S30 NOT (S27)	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:19
S32	215	(syngas OR synthesis gas) AND ((Pt OR platinum)) AND ((carrier OR support) SAME (earth metal OR Mg OR magnesium OR ca Or calcium OR Sr Or strontium OR barium OR Ba)) AND (oxide SAME (Scandium OR Sc OR Yttrium OR Y OR lanthan\$4)) AND (zirconia OR (zirconium SAME oxide)).clm.	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:20
S33	186	S32 NOT S27	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:20
S34	0	S32 and L%	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:21
S35	29	S32 and S28	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:21
S36	636	((ceria OR (cerium WITH oxide) OR Ce) WITH (doping OR doped OR dopant)) AND (magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr).clm.	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:23
S37	52	S36 and S26	US-POPUB; USPAT	ADJ	ON	2008/04/01 18:23
S40	117	S36 and "502".clas.	US-PGPUB; USPAT	ADJ	ON	2008/04/01 18:25
S41	1770	((ceria OR ((rare earth OR cerium) WITH oxide) OR Ce) WITH (doping OR doped OR dopant)) AND (magnesia OR ((alkaline earth OR magnesium) WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr)	US-PGPUB; USPAT	ADJ	ON	2008/04/02 08:24
S42	19215	(magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr).clm.	US-PGPUB; USPAT	ADJ	ON	2008/04/02 10:27

S43	11299	(syngas OR synthesis gas)	US-PPGPUB; USPAT	ADJ	ON	2008/04/02 10:27
S44	246	S42 and "502".clas. and S43	US-PPGPUB; USPAT	ADJ	ON	2008/04/02 10:27
S45	153	S44 AND (Ce OR (cerium WITH oxide) OR ceria)	US-PPGPUB; USPAT	ADJ	ON	2008/04/02 10:28
S46	143	((ceria OR (cerium WITH oxide) OR Ce) WITH (doping OR doped OR dopant)) AND (magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr)).clm.	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 16:13
S47	11311	(syngas OR synthesis gas)	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 16:14
S48	39	S46 and (S47 OR (hydrogen WITH carbon WITH monoxide))	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 16:14
S49	1418	((ceria OR (cerium WITH oxide) OR Ce) WITH (doping OR doped OR dopant)) AND (magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr))	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 16:30
S50	314	S49 and (S47 OR (hydrogen WITH carbon WITH monoxide))	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 16:31
S51	123	S49 and S47	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 16:31
S59	349	((ceria OR (cerium WITH oxide) OR Ce)) AND (magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr)).clm. AND (S47 OR (hydrogen WITH carbon WITH monoxide))	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 18:18
S60	146	S59 and "502".clas.	US-PPGPUB; USPAT	ADJ	ON	2008/04/03 18:18
S61	16	(US-20010010808-\$ or US-20030186805-\$).did. or (US-6376423-\$ or US-6075062-\$ or US-5447705-\$ or US-3976599-\$ or US-5597771-\$ or US-6551959-\$ or US-4460704-\$ or US-3951860-\$ or US-6946114-\$ or US-5714091-\$ or US-6468941-\$ or US-5384301-\$ or US-5898014-\$ or US-6214306-\$).did.	US-PPGPUB; USPAT	ADJ	ON	2008/04/07 11:23
S62	4	S61 and foam	US-PPGPUB; USPAT	ADJ	ON	2008/04/07 11:23

S63	1	"20020115730".did.	US-PGPUB; USPAT	ADJ	ON	2008/04/07 13:00
S64	19	US-4294726-\$.DID. OR US-5130109-\$.DID. OR US-5490977-\$.DID. OR US-5597771-\$.DID. OR US-5898014-\$.DID. OR US-5989507-\$.DID. OR US-1231999-\$.DID. OR US-20030177763-\$.DID. OR EP-0885650-\$.DID. OR EP-1004347-\$.DID. OR WO-0136323-\$.DID.	US-PPGPUB; USPAT; USOCP; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/12/07 17:57
S65	3573	502/302;502/304;502/325;502/326;518/718.cds.	US-PGPUB; USPAT	ADJ	ON	2008/12/08 06:44
S66	12860	(syngas OR synthesis gas)	US-PGPUB; USPAT	ADJ	ON	2009/06/19 10:42
S67	405	((ceria OR (cerium WITH oxide) OR Ce)) AND (magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr)).clm. AND (S66 OR (hydrogen WITH carbon WITH monoxide))	US-PGPUB; USPAT	ADJ	ON	2009/06/19 10:42
S68	167	S67 and "502".clas.	US-PGPUB; USPAT	ADJ	ON	2009/06/19 10:42
S69	122	S68 and (syngas OR synthesis gas OR (CO WITH "H.sub.2"))	US-PGPUB; USPAT	ADJ	ON	2009/06/19 10:42
S70	44	S69 and (partial oxidation)	US-PGPUB; USPAT	ADJ	ON	2009/06/19 10:42
S71	1	"5149464".pn.	US-PGPUB; USPAT	ADJ	ON	2009/06/19 10:55
S72	3726	502/302;502/304;502/325;502/326;518/718.cds.	US-PGPUB; USPAT	ADJ	ON	2009/06/22 11:36
S73	14011	(syngas OR synthesis gas)	US-PGPUB; USPAT	ADJ	ON	2010/03/23 20:42
S74	440	((ceria OR (cerium WITH oxide) OR Ce)) AND (magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide)) AND (zirconia OR (zirconium WITH oxide) Zr)).clm. AND (S73 OR (hydrogen WITH carbon WITH monoxide))	US-PGPUB; USPAT	ADJ	ON	2010/03/23 20:42
S75	38155	(S73 OR (hydrogen WITH carbon WITH monoxide))	US-PGPUB; USPAT	ADJ	ON	2010/03/23 20:42

S76	46	((TAKESHI) near2 (MINAMI)).INV.	US-PCPUB; USPAT	ADJ	ON	2010/03/23 20:43
S77	7	((KENICHI) near2 (IMAGAWA)).INV.	US-PCPUB; USPAT	ADJ	ON	2010/03/23 20:43
S78	6	((ATSURO) near2 (NAGUMO)).INV.	US-PCPUB; USPAT	ADJ	ON	2010/03/23 20:43
S79	2	((TETSURO) near2 (MATSUMURA)).INV.	US-PCPUB; USPAT	ADJ	ON	2010/03/23 20:43
S80	4671	((ceria OR (cerium WITH oxide) OR Ce OR "CeO. <sub>sub.2</sub> ") AND (magnesia OR (magnesium WITH oxide) OR (Mg SAME oxide) OR MgO) AND (zirconia OR (zirconium WITH oxide) OR Zr OR "ZrO. <sub>sub.2</sub> ").clm.	US-PCPUB; USPAT	ADJ	ON	2010/03/23 20:50
S81	546	S80 and S75	US-PCPUB; USPAT	ADJ	ON	2010/03/23 20:51
S82	255	S80 and S73	US-PCPUB; USPAT	ADJ	ON	2010/03/23 20:51

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1440	502/340,502/349.xls.	US-PCPUB; USPAT; UPAD	ADJ	ON	2010/09/24 17:42
L2	195	502/340.xls.and 502/349.xls.	US-PCPUB; USPAT; UPAD	ADJ	ON	2010/09/24 17:43
L4	1579	423/213.5,423/245.1.xls.	US-PCPUB; USPAT; UPAD	ADJ	ON	2010/09/24 17:49
L5	4174	502/302,502/304,502/325,502/326,518/718.xls.	US-PCPUB; USPAT; UPAD	ADJ	ON	2010/09/24 17:49
L6	6141	l1 or l2 or l4 or l5	US-PCPUB; USPAT; UPAD	ADJ	ON	2010/09/24 17:49
L7	497	l6 and partial oxidation	US-PCPUB; USPAT; UPAD	ADJ	ON	2010/09/24 17:49
L8	18	((TAKESHI) near2 (MINAMI)).INV.	USPAT; UPAD	ADJ	ON	2010/09/24 17:49

L9	5	((KEN(I)CHI) near2 ((MAGAWA)).INV.	USPAT; UPAD	ADJ	ON	2010/09/24 17:49
L10	4	((ATSURO) near2 (NAGUMO)).INV.	USPAT; UPAD	ADJ	ON	2010/09/24 17:49
L11	1	((TETSURO) near2 (MATSUMURA)).INV.	USPAT; UPAD	ADJ	ON	2010/09/24 17:49
L12	28	L8 or L9 or L10 or L11	USPAT; UPAD	ADJ	ON	2010/09/24 17:49
S83	19	((TAKESHI) near2 (MINAMI)).INV.	USPAT; UPAD	ADJ	ON	2010/03/23 20:43
S84	5	((KEN(I)CHI) near2 ((MAGAWA)).INV.	USPAT; UPAD	ADJ	ON	2010/03/23 20:44
S85	4	((ATSURO) near2 (NAGUMO)).INV.	USPAT; UPAD	ADJ	ON	2010/03/23 20:44
S86	1	((TETSURO) near2 (MATSUMURA)).INV.	USPAT; UPAD	ADJ	ON	2010/03/23 20:44
S87	29	S83 or S84 or S85 or S86	USPAT; UPAD	ADJ	ON	2010/03/23 20:44
S88	18	((TAKESHI) near2 (MINAMI)).INV.	USPAT; UPAD	ADJ	ON	2010/09/22 17:33
S89	5	((KEN(I)CHI) near2 ((MAGAWA)).INV.	USPAT; UPAD	ADJ	ON	2010/09/22 17:33
S90	4	((ATSURO) near2 (NAGUMO)).INV.	USPAT; UPAD	ADJ	ON	2010/09/22 17:33
S91	1	((TETSURO) near2 (MATSUMURA)).INV.	USPAT; UPAD	ADJ	ON	2010/09/22 17:33
S92	28	S88 or S89 or S90 or S91	USPAT; UPAD	ADJ	ON	2010/09/22 17:33
S93	4169	502/302;502/304;502/325;502/326;518/718.cds.	US-PCPUB; USPAT; UPAD	ADJ	ON	2010/09/22 17:33

9/24/2010 6:16:18 PM

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